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leadly, I would like to thank the IN Company for these Elemental support of this work.

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Epocyc and continue-modified phenolic costs were also proposed, but they were found to be laterier to the unmodified phenolic resine in objects) tests.

CHAPTER 1

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On many important trachming inversions was made in 137 by in all, mandated who made promised the sectionic registration of the polymer. But "best and presents" patient (COMMINSES, SUPERISED) and are consider production of material parts passible by using present and high inversions, which presides a copied material excitate value parts of the parts of the present and the present and parts of the parts of the present and the present and the for industrial increment and presents assessing applications to planning resident. In most the first paging fortunes and * poper presents (65:00105) believ the American (braica) Brainsy do 1999. IN this wed a sideway following paper (05:00585), be described the albelian enabyard quotals reads and the equi-untrived thermostatic product.

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1 3 March 1980s

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These physical properties of the phenolic region may be improved by changing their storeaums with chanical manufiltenium, the difference approaches to achieve an objective are briefly outlined in section 1 6 and described

Resolit reals have been medified by a large number of sambada which are discussed below.

1.5.1 Medifications with Phenels

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5.5.3 Etheritizations

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CHAPTER 2

2,1 introduction

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3.3 preparations of mylcopymethylarian soles

Twenty hydrogramity) derivations of pycels, force, 5,5-dismisplipments, phenol, inidecole, thicphene, and pyramic were obtained and ecoded. The situation of the





Figure 2.1 (Continued)

Compounds (127, 130), (20), (181, ed) (20) were chicked emercially five afficiant. Compounds (3A), (2b), (2b), (2b), (2b), (2b), (2b), ed) and (27) are grapped eccenting to literature mathids. The other compounds, 12t), (2b), (2b), ed (2b), were proposed eccenting to the procedure of the compounds of the procedure described in the experiments.

minuse of preside and a min equivalent of previous debugs of the control of the previous control of t

120.70 pps. The belling point was found to be 45-56 $^{\circ}\text{Cyl.ine}$ (Lit. by 45.8-51 $^{\circ}\text{Cyl.ine}$ (DAMAIRS).

Composed (38) was proposed assessful to the literature princeture [Handstell) by the mention of Perpresensational Confession (1984) and the literature of the contraction of the product product industrial assessptions and 120 and naturally ex-1/bit most the assessptions and 120 and naturally ex-1/bit mass in the assessption and the contraction of the MACS were emission to the hydrogeneously methon (54.65 again and the form different product (1984) and 1884 [1984], and 1884 181 de, and 1824-88 species [1985], and 1824-88 [1984], and 1824-88 [1985].

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Compared CAD, the previously similars, was shattened by Astrong (200 ville), a slight feature of 130 MBHs and made at CHOS the superstates for 3 days (where 2.5)—the crush posterior was positive by 1-days (described posterior post) with large processing the production of the state of the contraction of the contracti

$$0.03_20 \xrightarrow{\text{CO}_2\text{CO}_2} C_{2}\text{CO}_2 \xrightarrow{\text{BCOC. SubSt. NZ}} 0.00_2 \xrightarrow{\text{CO}_2\text{CO}_2\text{CO}_2} C_{2}\text{CO}_2$$

event 1.5

the 5.6-Liestylphyladesian recent with 378 derealishings without a outsigns at 6°C (at 16 hours 30 gins i-hydroxymothyl-5.8-dismbylapiancoin (200 (EMETYREI) Illians 2-6). The ⁵m and ¹³c spectra war completes with the structure of (24).

temporates, a minimum of [30] and [,]-bas|phrosymmity; 5,6-dimnthy/mydeskin (22) was obtained as about 1 1 (ALL) [TEMPORATES]. However, (22) was the only product contained when probabile cocknotes was used as the emisjon (others $2\,(3)$ the $^{1}\mathrm{S}$ and $^{13}\mathrm{C}$ spectra were consistent with the structure of (23) .

Naither (20) mer (20) was considered in be a potential modifier for phonels regime sizes both responsed decomposed in Sy-Minethylphotosic and Coconfidence below temperature registed for evelop be modified resize (Dahma 3.51).

praises 2

90A.A.I

Metting a titulate of insteads and 300 appears SIGN 16 associated with a 200% for 31 hours of animal state of insteads of the 100% for 30 hours a shatter of 110 appears produced to 100% for 1

SCHEME LAD use proposed by COS-bytecomputer by COS-bytecomputer with a minimum of formulatelyse, remember, and hance computer exchanges (SSGCCHE) (Ordeon 2.41). The Worlesholder for COS SARRICES (ORDEON 2.41). The World COS SARRICES (ORDEON 2.41).



SCHOOL 3.

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2,5-dishpérsymethal)hhisphone (28) une obtained by bubbling hydrodlavade pun sale a nobotton of thisphone and focusionhyde, then stirring 2,5-bisialharamenhalishisphone with patentum noticie, and limity transfer 2,5Material specifical blocks of the state of the state of the temperature [GLANCH] (school $\lambda 12) = 2 n ^{-1/2}$ spectras with prefer as 145/4, 146,46, and 16.48 pps we measure this the susigned with state. We believe point to be $176-176^2 GU.Smm \ [Lit, b,g. 362-166^2 GV.Smm \]$

3-bydrogrambylgrounds (22) was payment by mixring a station of prevails and 379 squares 8000 at rose temperature for 24 boars (SICMENI INDONE 2,14)... the hydrogrambyl colored bad appeared at 3201-2300 cm 2 . In the 24 squares and the station at 72-35 gap in the 12 C spectrum. The milting print was found to the 87° (124) by $^{-12}$ C (prevails).



SCHERE 2.

The ¹²C and special wars recorded with a veriew NL-20 min apertamentar. Destinated 2000 was tood as the relevant for all amagine heavens in disasters both the polar lydrong compounds and the cosin complex. The special of which will be disastered in Literat shaptors. The use of a rangel workward of the contract of t

the chemical shifts of the hydrogeningi desiratives o

De chasical chitis el responsol 100 (Shot1991, Cd), (R), and (L) (Swes2014, Shit1041) especial in the Illistrica are le good episonest with some although conti Ellissesce arise from colorat effects. The embiguests for emposseds (LA), (CD) and ILIA inch statisfictioned block the structures are symmetricals reshows (L) and CA appear al ID-4-1886 me andion are block to that of the unsentality-min



purcha (IDAA (pap), forbess G and (5 of [3A join or sipant at 115 ft pap and composeds (s)b and (18) above peaks as 113-2-121.) apa tot the same crimina. The hydrographic arrange of [13A], (28) and [13] join or sipanks as \$6 - 50 ft pap and attends to G or (5 and as 4 G.3.1) pay askee similar to the stronge, asseed on the chemical shifts of composite (10), [120], (121), and an unsuchaticode (project), the chemical action of the composite of compounds (18) and (121) are

In composed tills and lill, the ¹³c shifts are well separated and the semigrants are obvious except these for the use physically prompt of composed lill. Borner, it sheafs be all lower field than Ch because the forms is smajert to the alercomic selfect of the adjacent exchanging scope wherear or is not to easily one materir compression to the composition of the composit

And emproped (20), the manipuments of Cl and Cl size eary, Cushes (C should be lower field then Ch sizes the former is edgement to a pyridise-like nitrops whereas the latter is must be a pyresic-like mitrops; Composeds (10) and (27) are appearing in the conference there is no produce to empty the lines, with the holy of the ATT technique, the conference of CDM conference them is not performed.

The spacetical attritude of 12th noise the endigments of the lines weaklesses. The ensurance of the lines of 12th end 12th ecc ands by competing then with those of 1-enthylologismum (ECCLETIZ) and 3-methylologismum (ECCLETIZ)

(#5#EIRIRS), respectively

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Col Libraria and pression to composite 18 and 171.

Table 3.1 along conscious the artist of 17 and/or C-Cygn
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1 A.P offect of successmoothy) arous substitution on Nice

Admittant affects of the hydrogenited proop(s) or purcels, forms, Uniquent, insignois, and pyrocols ring cathon Chelled Addits are detailed and listed to Polle 1.3s. For remarks, the substitutes affects on pyrole of photogenity) group at the 81 and 62 partitions are calculated by comparing the simulated affect of composeds

teble 2.2	The Effects of Mydrosymethyl Group Audobitutions of	0

Pyrrois	29	2-	+14 91	-1.42	-9.11	-0.1
Tyresla	3.0	1,1-	124.67	-1.12	49.83	45
Pyrcula	29	2,5-	+14.54	-3.50	-1.90	+14
Pyresla	2.6	3.2.5-	+15.76	-0.48	-1 10	+11
FEERS	11	2,1-	+11.00	-2,44	+2.80	+12
Person	20	1-	113.06	-1.11	41.20	16.

Note: The observed shifts of pyrois is 4-0000 are at 111 52 and 187.54 pper from at 142 54 and 100.50 pper inscharate at 125 56 and 135.40 pper things are at 126.54 and 135.67 pper pyrosole at 122.55 and 151 00 pper (28) and (28), respectively, with the chamical shifts of

Ring maters attens attended offerently to a Cu₂DE group new embletion is a sow-fitted which of 19.3 to 10.9 pps (1) emergical, Mithin this comp, thisphone is offerent pyrulm in indecemblate, farms and inideals not lear

a street colors

The laterance of the bytangering friends on the brainspirity for exceptions of the brainspirity grounds until interest in the $2\lambda^2$ to matrix of the control of process and proderencinglysis, which will be discussed in the seat chapter. It is the shiple that the study of the popularizations of phenological descriptions of the hydrographyl description, which will be discussed the hydrographyl description, which will be discussed to the department of the process of th

The hydrogeneitys group has minist substitution effects on the heterocyclic type be those of the mather promp. Note was be seen from the undistributed to time prompts the herouse precipitationals (1883, 188,8 and

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4 4 1 10c mm management

Cardon-13 NRM spectra were obtained on a Veriew Ni-100 NRM spectra were obtained on a Veriew Ni-100 NRM spectrament specificing at 15 NRM spits graphed on the object of specific consecutations were about 15th. Pulsa widths were 15 years and these was on youten daily. 4,-0000 was used for look and these years you was not for look and its mechan years.

hespect-speck midd responsed (29), (10), (10), (10), (10), and (10) were greatest set on electron training partitions. The following were proposed by the Hierarch methods: Indicates Englishment (10), (10) and (10) a

2.5 2 frepecetion of 1,2-min/hydronymethy//percols (20

A sixture of Psycontensional-Body [12] p. 681 and Sol 2011 [13] p. 681 and 18 a

All of warms in a 22 all owners and formal, a system of the size (14.9 a) of a few size was defined once a provide of its billions. After 3 hr., the existence was necessarily with \$400 statements, After 3 hr., the existence was necessarily with \$400 statements was consistent with the existence was consistent with the existence was consistent with the existence was consistent properties. Be consistent with a provide provide was a third properties within provide particularly of the existence was a second provided with the previous factories and the existence was a second provided with the previous factories and the existence was a second provided with the previous factories and the existence was a second provided with the provided provided was a second provided with the provided provided was a second provided with the provided provided was a second provided with the provided was a second with the provided was a second was a second

I to I properation of I,1-acetty/cospectiglipycrale (12)

A single of profite (47 \pm 1, 41 and). The profit of the

2 5 4 Parametrics of L.L.S-Tristipprosperipal special Dist.

A SILES OF 2.1-bit-in-by-converted/properties [1:43: 9: 4 months on 21.3-bit-in-by-converted/properties [1:43: 9: 4 months on 21.3-bit-in-by-converted states in suggestation for 2.4 days. Most out converted states required properties. The content product in proceedings of the 30-3-bit-in-by-converted states of the 30-3-bit-in-by

2-5.5 Proporation of 3-bydepaymethylthiophops cir-

The STICE All companions of SAMA_(SLIFE, p. 12 and plant) in a limit of primary consolication (first treat and a support exchange (state first treat and state first treatment and state f

COMPTER 1 COMPTER 1 STORY OF THE MENCH!

1.1 Interdestin

These are the first colorests as the smallest Stemmer and Parliest and Lincolness and Lincolness

gottl gow, there has been as thorough study of the resultion. Throughput, we have rewrited a detailed study of the reservant heteropy pyrode and presidentials but the common of medium beforeign units ¹²C NMM spectroscryp. to motion the castion. The constitut would produce up to forc different hybridgenthy/gyrothen (Figure 1.1), which wise I-bydiosymenhy/gyrothe [16], 1,2-bit/piptenymenhy(1pyrothe (BH, 1.2,5-tristyptenymenhy(1)yrothe [18], and 2,5-bit/pfcosymenhy(1)yrothe (BE), with this healformely

3.2 secult

the costion was statled with the intercorpte foccepting technique femples were taken out at different time intercease, openched at the temperature to best the

remetters and thair ¹³C spectro wate consided.

A LICEUR DRS assumed a naturing (0.05 ml) was added to MAIN 1808 easyle be decompose busificrade of the

Replengenthylpyrroles which otherwise were found as the beginning of the sessions in quite elgaldinesh questing and

while the maximum and colorates difficult. We started only a few contains produced wave referred without a few medium produced with a few colorates and the started only and the

the efficient of remotic militation regressed to 10° in the series of the process of the process

To find a walkels pulse delay the Ordica should be at least 1 lines that of the longers T₂) for the invest-spiral demograting NOS experience, Y₁ orienties the measurements were certified out for the five hydroxymethylpycolor and pyrolls. The Y₂ welcome for the constant of the comprused

Table 3.1 The 7, Deluce (in acc) for the Gadona of Pyronic and the five Spinosperbylyycoles.

Pyvenie	4.13	5.22	5.27	1.52	/		
34	2.24	2.90	1.86	3.14	1.50		
28	0.04	0.72	0.60	0.77		0.72	
36	9.40	0.11	1.31	0.83	1.34	0.82	
38	16.18	8-83	0.43	19.58		0.86	

From the \$\frac{1}{2}\$ colors in the bill \$2, \lambda or one that uses the present create of the fifther of enteriors the tention to the spill between the tention of the colors of the

(clearline three than unsymmetrical enalogues. For example, the culous of (AE) here imper T₂ time then those of 12E where the former in more openition) then the latter able took the control to the control three the former in more openition.

and the charge was proposed by the standard a disast a second proposed by the standard a disast a second proposed by the proposed by the standard and the charge of the standard by the standa

At $\theta^{0}C$, the ^{13}C spectrum of the creeking minimum effect to dege marketend swindy 1-bydrospenhydgyrenia (3a) topother with free firmidehyds. pytrals and a small securit

Standing for the forms as 0^{10} give a master of 2: bydrangaming/pyrenie [Bai, 2-2-bis/pylenyeming/pyrenie [Bai, 2-2-bis/pylenyeming/pyrenie [Bai, 3-2-bis/pylenyeming/pyrenie [Bai, and 2:-1-bis/pylenyeming/pyrenie [Bai, and 2:-1-bis/pylenyeming/pyrenie [Bai, and 2:-1-bis/pylenyeming/pylenyeming/pylenyeming/pyrenie [Bai, and 2:-1-bis/pylenyeming/pyle

groups of 72.80(30), 69.76(30), 89.73(30), 53.14(30), 55.82(31) and 55.65(30) pps were (risposed and the integrals were used to extend to the note (rections of each (Normann).

Conducting the cention on 30% can be these mentions of the Conducting Section of Conducting Section 20%. Let \$1.00 \$\text{states of Liquid Section (\$1.00 \$\text{states}\$) \text{ } \$2.00 \$\text{ } \$1.00 \$\te

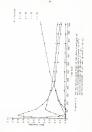
The same constitute was this control and all NPC and SPC. The spectra of the simples from these two insections were recorded. The same feetings of made compounds, the same feetings of made compounds of the same 1.5. Invalid a stable of the same 1.5. Invalid a stable of the same to these with constitute in SPC except the time seather one vote receptor as the temperature constitute of the temperature constitute of the same control of the properties of the same with fractions of the lower placement of the same constitute of the same constitute of the same constitution of the same constitutio

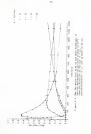
Private was completely constant in less than 1 hours of $45^{40}\mathrm{C}_{\odot}$. At $45^{40}\mathrm{C}_{\odot}$ all pyrolls disappeared efter 30 minutes,

Stable 1.2 The Male Francisco of Pyrrole and the Spinosymethy(pyrroles in the Associate of Pyrrole with Formulatings at 15%

PARTETE P	Petitie	_86	м	39	.35
5	0.711	0.230	9-904	0.000	8.00
15	0.525	0.475	0.000	0,000	0.00
20	0.425	1.515	0.000	1.000	1.00
15	0.350	9.614	0.000	8.830	8-00
29	0.275	0.725	0.000	1.800	0.10
41	8.670	9.435	6.015	1.000	0.00
59	0.645	2.542	0.320	1.400	0.00
69	6.000	0.441	0.160	9 900	0.00
53	9,000	0,745	6,310	0.815	0.00
126	9.998	0.425	F.315	0.049	0.03
114	9,904	0.560	1.310	0.005	0.00
144	0.000	0.459	1.345	0.005	0.06
22.1	9.809	0:435	9,276	0.119	6.00
209	0.411	6.395	9.355	0-111	0.31
109	0.019	0.375	0.243	0.150	8,23
375	0.009	2 235	0.345	0.135	1.24
497	0.000	8-256	0.529	8.310	8.20
180	0.000	9-275	0.122	1.260	0.25
110	0.000	3:176	0.300	1.340	0.27
1148	0.000	5-439	0.150	2 260	0.16

Ilenials)	d fyrests	34	16	_32	-35
50	0.358	0.450	0.000	0.000	8.000
15	9.138	0.000	9.005	0,000	1 110
20	0.105	0.595	0.004	0.000	1.100
26	0.004	0.895	0-155	0,000	1,000
45	0.000	0.310	0.202	1.000	9.300
60	0.000	0.564	0.189	8.860	0.000
10	0.000	0.448	0.365	8-895	0.040
123	6.023	9.368	0.345	1.150	0.130
190	0.099	9.200	0.300	8 285	9 109
340	6:400	0.215	0.379	0.221	0.209
310	0.035	0.145	0.235	0.229	0.325
160	0.000	0.145	8-225	0.225	0.265
420	0.035	0:110	8 213	0.100	1.393
686	9.836	0-150	8-179	0.111	8,430
548	9.121	0 320	9.175	0:185	R(450
600	0.015	0:320	9 155	0.130	8,500



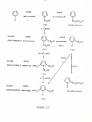


system. This may be the result of coverable formation of 1hydromymenhylppress, the decomposition of which has been capasted in the literature (Systems).

Composed (IS) was the eajer product at the start of the fractions. The main (retrieve of (200) wass found as a collection of all was found as a collection of the fraction of

N. S. S. Lancon

The entitle feeth pressure are not to desire that the entitle possible feeth as feet al. The feeth all the entitle feeth all the feeth all the



in the mechanism sublimed in Schwer 3.1 and intermedial (32) is formed from (3A).

regar (c) and (CDD) agrees to be executivity interesting the object to be received by executive control basis formed are extend (money, step (F)) is easily an equilibrium, but can whose formed to the discretization of 1331 last CDD and Extenditure Society (133) in Found to be the production. Except (133) in Found to be predicted. Except (133) in Found to be predicted as the product of the predicted of the found to be predicted. The predicted of the predicted

the restrict of particularity and 3-fepticoparity (3) is the quarter field of \$\tilde{V}_{1}\$ of the \$\text{system}\$, (4) is \$

significant at the beginning of the reactions where a large

emoint of free forms/debyds to evellable. The bestformain revers therefore by absolute well shoughtfor lines since to those of their exceptance opposed; mean lines are transport objects to been added.

Sebig 3:6 The Rain Francisco of 1381, (22), and (22) Equival Disc is big function between (52) and

Distriction of		_15	10
	0.010	9.110	,
All	9.383	9.222	
29	9.604	0.167	8.433
33	2,524	0.181	8-653
45	9.577	0.311	0.110

3.4 Conclusion

The results in the pressures rections show that provides of the control with Southersgood with . In , and Supersides. Proc So to the Control with the control was a substantial anneative reduction to the control to the control to the control with the control was a substantial to the control with the control was a substantial to the control with the control was a substantial to the control with the control was a substantial to the control with the control was a substantial to the control with the control was a substantial to the control was a substantial to

the herifored formations are important paths at the start of the fraction. As the counties proceeds, frace as formal heriformals are formed since the the assents of fire formal/helpe in the continu deframes and the Auforomethicsprices remove for fractional size.

Expectamental

5.5.1 Sada Catalon Salamatica Size Sciences

The spin lettice coloration (Lie-T₁) was assumed with return Smills Smith spin spin services or protection. The state of Smills Smith spin services or protection. The state of Smith spin services are consistent of the state of membrane of a two-quies expense. Smith spin services consistent of a two-quies expense. Smith spin services takes, 12 was 60 excends. As 30 erroy was assumed to the state of the spin services of the state of the spin services of the state of the spin services and to state of the spin services of the other spin services. As intrinsing posens, culled the spin services of the state of the spin services. The septiminary

1.5.2 precise-dated Deposition 100 Resourcements

Garbon-35 MMA apartics were recorded with a seel FA-160 apertrovated operating at 20 PMA with θ_{g} -dotte as the estimate h^{2} h^{2}

sides if we 31 sevente depending an whother pyracle actions in the neight, $d_{\rm g} \sim 0000$ who used as a look and its rector park of 19.5 pps was sent as the reference. A 18% approximately a seat analysis of expension anisotic actions of any was edded to sent sangle to depend an anisotic action of the sent sangle to depend an anisotic action of the sent sangle to depend an anisotic action of the sent sangle to depend an anisotic action of the sent sangle to depend an anisotic action of the sent sangle and sangle action of the sent sangle action of the sent

3.5.3 Secretion of Pyroxic and Paradormalishph

A mixture of opticals (0.1 main, 0.7 s), performalished of all mains (0.4 m) obsyline in a 3-month result of the second of the s

DIRPTER 4

4.1 Introducti

Gine A. em Supil (1970) (des tribles de incombalge mille (1972), im griptima, primer de articles de las comptent decide (1972), en comptent de la comptent decide (1972), en comptent de la comptent de la comptent decide (1972), en comptent de la comptent

Many alexamphilis becomposes used on pyresis [19011001], 5.5-(Anthylinghesian [18017124]), THEFFILIAS), part (CALMINI), indepret [1900(1871), and pyresis [18087284] reset with folkanishyse to yield hydroxymologi decivatives—lose, such as gyresis on force (THEMALISE), were nebergy futtour combination restaurant to entire receiving at give resist with a measurement of the to that of placedia rundo transition. Manuface and hydrographical prospin will those betweenpile confidence and sendame with placedia confidence of the hydrographical prospin of hydrographical placedia. One placedia propulgar notates. If these hydrographical desiration of the throcopyles and languages have been appreciated than the placedia rundo for the placedia.

6.2 Shjertive

- rings (att a phonolis sonin attacture are offerted by contriby phonol of hydrogenship/phonole with farfical, forms, hydrogenship/forms, furface) nlooked cosin, pyrous, or hydrogenship/spyrolau.
- the thermal condensor, weter resistance, and administ property of the phenolic codes. It may be possible to put forms rior into phenolic code accounts by the following ways:
 - confirmations of the hydroxymittel proop of fuctory: almost with phrool sucts;
- b. confensations of the hydroxycologi errors of the

 reseaselion of the hydraqueshed group(s) of for elochel or 2,5-bia/hydraqueshed) form with the hydraqueshed groups of the hydraqueshed; phonols.

Putting forms rings into the phenolic reals atcorture may improve the eleminal and the thermal resistance of the

Pytiale polymers, e.g. polylphosylenepytodel, herhigh thermal resistance [Illerolls]. Therefore the thermal resistance of the phoselic dealers may be interested by concline pytials emographs with phosel or

4.3 Phonolic Mesins From Partitionalisms with Party

4-2-1 Darling

Princeto condense stil pieca i njew resise in the Princeto et de sond rebelga [Dispos/DSSSS]. Et ma ben capation has brefard on the used to proprie sondied phessife resise with improved soil and alkald resistance (PRINTETHES), interesisence [PRINTETHES], setfoctories property (PRINTETHE), adherive property, settoct contained property (PRINTETHE), adherive property.

Therefore a furfact-modified phenolic rente ver property by heating a minimum of phenol, 33% formulantic anisation, furfaced and 34 of many at 15% for 1 hours. The modified ratio was tested and the least treating wave compared with these of an unsolding phonolic rails, designated AD 733. The occeaning has remains of the modified train and reals AD 732 are listed in Table 6.1. The test procedures all described in appendix 1.

We percent of saids at a real should be haven. Thi to 60. A beain with high percent of solid is now viscous for processing. A stainer of 71% of solid is required for the formulation of the poscolic crais hinder. The process of walle of both cashs table in the required cases.

These is no clear definition for temphone the togethers heat we used in a measure of the strongth of a ranke toward bundley. Who gradien toward from 1 to 2 and 1

in the Best. Both ranks have the highest toughton meading.

The precent of weight less test is a measure of the thermombethe stability of a pheasile regin in the size of the C. The Control of the weight list, the higher the three control of the control of

The addeduct test is a measure of the addeductive force between the resin and the facility. The Addeduct test quality propose from I co 5 and 5 in the best - Soch resident. About the best objects qualities.

The process of coasing shreely betts capains the viscosity of a seals shread by Lo the coase of 1820-8890 yes. The viscosition of the modified and the unmodified resin fall is the right camp.

The yet and got time of a contract took to characterize that. The yet if the type of troodes so proposed names from 3 - 9-5. The yet time may be from a few manages to one

The remains show that the modified resid her nature therefore the tradity and process of brefare contents than from 2 32 32 and where west modifier. The therefore the content of the remains a subject (file) results in Table +2 asympt that the modified costs is more intermediatelying stable that costs 50 32 alone the force for a light to wight last impairment the compositors at obtain the costs of the costs.

looms IPE of the weight) than that of costs 80 TLI, They have comparable 20% and 40% weight lass temperatures.

The credit of the Fermion rise striking rise (the process is a special to a special to 1 of the critical-constitution of the constitution of the c

No. The processor is the limital interval-monthly possible with the limital monthly consistent of the limital monthly consistent of the limital monthly consistent of the limital limi

Table 4.2 The Researce foot Scoults of the Particul-

THE	89,733	Firevial modify
h at rolle	26.2	13.2
Spidense(274)	47.8	46.6
Mater Souther(NPR)	33-4	33.3
t of Retention	69.9	16-4
Trieghores	5	5
5 of No. Less	14.2	34-6
Adhesine	5	9
Viecosity(cps)	1,860	2100
pe.	9.25	1.50
Gel Siec(sor)	1363	1447

Twice # 2 the Theorem was the Analysis Remains of the Party-mediated Phenolic Resign.

Beelo	133	231	335
FD 713	234	411	330
Particles-earlitied	582	478	947

Note: 1. The rate of temporature increment is \$^2cresumts| the eff flav is 16 or remains 2. The date and provided by the 18 Company

Table 4 5 The Processor For Grindles took Remaits of the Perfect i-solited thread to Acris.

20017	150 721	1 of 10 TO	204 653	1 07 00 722
50 733	53.5	104	883	
Modified	587	3.14	155	133

Motes The data six provided by the IR Congary

The rele of furtical is the meditied room is unclear. Perform may remot in the sering step or it may simply and on a promoted and should be proven the Constitute and troubsens of the cean. Who differential economy rejudicately (DDC) results in table 4.4 support the Donner guaranties. Each of the region shows an earthers to the delimbert. The maximum energy (A_) referred to 376 justes per mean (2/e) by the presentation comin and his 2/o by the medicine one. Since the two measured region company different second of soild, the of solid in the reals is taken one consideration. $h_{\alpha}(A) = H_{\alpha} + 1004 \ / h \ of colld of the contact The <math display="inline">h_{\alpha}(A)$ value for the modified comin to TDE. 2/9 which is much higher than that (405 A/A) of the assentitied pools. This result

Table 4.4 the differential Junealog Colorinstry Aposite

feels	3.26244	Fa1700	F-12/01	W-12012/0
NO 113	76.4	156-1	376	499
Senie 8	73-3	266.1	111	394

eter 1. A_g = tenin existers

Ng(10) = Ng+LOR/4 or extito

2. The date are provided by the 36 Company:

4.3.1 m/cmpsstq1besss

It has been coprised to the literature (Typered(142)), that fixes rechain with freemables in the private of omalia acts as Me^{*}C for our and it half launts to give a limitationally (15 yea) crash. Institute College Scientist with acts weekings in an institute College Scientist similar adopted centre which are therecombing and here suchiless hast and disastent resispons of the college States.

The resettint of firms with principles and the presence of a contribute amount of hydrochleride at contributority of 18 kmars pure as innolable farm actual, which could be a framenformal distribute of them. This me Atlantic

O * Decelerable apple, act Descues dam cold

DONNE 4 3

manths; a minimum of t-deplosytement almost with manths; and manths; and manufactured at all the "deplosytement of the "deplosytemen

On the other hand, 2,4,6-ctritydrocymathylipheni malf-pigmerized when a mixture of the phonel and 2,5ticallydrocymathylitics was based impactor at 105°C 100 30 minutes. The lattic compound creation accounts.

The above experience could above that it was difficult to intender form single into phonolic collections.

Finally a Lemminesian config. Extrapl should realmy expected by basins. Extrapl should with mailters and on a class bash for all should chosen 4.3) may ^{10.5} equations of the deal admind a strong peak of 22 these and size with peak of 250 mpc. Their best take any panel of 51 to 46 to 52 mpc. Their belief take years contribute and the strong per take followed that praise contribute and their strong per take the strong peak of 250 mpc. as 56.30 ppc indicated a last of hydroxymotopi groups were provented that are set.

2×C8₂04

25.55.51

Then 25, 50 and 1091 (by wall of the prois new start with 89 312. Thus there mainting of course, designated 2022; 55, EXIZ-50 and EXPLY-50, were administ the opposite that course the content of the course of the

Toble 4.5. The Excessing front Scoules of Series Salla-21.

THAT PERSON	74713-bb	PA112-18	PR712-100
% of \$0116	99.7	76.6	72+4
BETSCHOOL (DET)	44.4	G-2	2814
Water Teching	41-9	24.3	24.9
A of Retestion	51.9	89.4	12.1
210 ph 24 44		4	
h of Mt. Loss	13.1	12.5	22.5
Adhesive	5	5	
Metting Feet	3		3

4.4 Pressile Reside From Stellishtines With Pyrosies

These is no enteriors in the literature is to now of greater to receive the reputation between the operation of prompting symptoms and prompting or the state of the later systems than pulphospyrously in classic systems of the state of the

eight he improved by putting paracle rings into their

Man. 3,6-ballpdrospentyl)ggrcii van bested with heards, 2-baybrogsterpl alcosal er 2,6-de. Utilipdrospentylponii, a liba health was fored and calculated Utilipdrospentylponii, a liba health was bred and libaky It was a pyroble pulpere lessand of a copelper vital pyroble and phene tips ster we "A" Dy MR spiritas all the still a wayle obserd libat Use phenial camajurd uncreated forbase 6,610.

Science 4 4

Pyrele itemit sins did not court with 6-bydomaphenople slookel at reliables temperature for 12 boors with a William combin and (Scheme 8.5).



CHEST L. S.

Halled to bbe forum eres, it was found that it was difficult to pur pyreals cips into the polymer believes or phemolic course. The difficulty may be established to the difference in sensitivities between the pyreals compared

A minute of hydrographylypycris van proqueol by shirring a mixture of pycola, paraforanishybe and cotalyti means at mod at 20° for 3 days, yet 3 C springs whose that the product statuse constains 3 L-ph-frospathylypycola, 3 L-indisplication by 3 L-indisplication between the product 3 L-indisplication between 3 L-indisplication 3 L-indisplication between 3 L-indisplication 3 L-indisplication between 3 L-indisplication 3 L-indi

then 23, 50 and 1800 (By vs.1 of the hydroxymethylpyconic minture were mixed with AD Tg3- 50m modified reside, PST22-25, PST22-50 and PST22-106, were obtained respectively: The occuming test credits of these and more thermally etable than the standard: However they were more british than 23 722,

Table 4.5 The Dogwooding Deat Benedits of Bonino 20712-2

TERS PRESS	F1712-25	Py712-50	F1712-180
1 10 21610	76.4	76.3	75.3
Postness(687)	55.4	41.1	51.4
Woter Smeking	90.0		66.0
% of Belevison	54.5		79.9
Trophress	3		
5 of Mt. Less	7.2	4.1	12.7
Adhesive	5		5
Mekking Sout	3	1)

4.5 cerebras

Attempts to ped forms and pyrole risps lette the execution of the phenolic resize were note of visited may receive to the execution of the difference on the creativities between penol or hydrogeneity/pionals and the medifficate. Another commes may be the right creation one not have found only with a fit the letter in the creativities have found for the creativities and them found yet. If the letter in the creativities are in the creativities and the medical fit professions of membranes condition on the monocontil professions and many letters.

and made (6.4 c, 15) in a 21 coals bettle fitted with a

To a bester containing the powerist roots N-72 (LE) when about the Energy alcohol (res) [1.5] a, 5. a, c. (1.9) the seals about [10.112-15], NTIL-06 or NTIL-169 the researching) was stated belongsby at some temperature above, and 10^{10} for 1 above, and 10^{10} for 1 above, the containing about 10^{10} for 1 above, the containing around the seal of 10^{10} for 12 above, the containing promotion of the contain

A A A Assessment of Manual Landau and America

A minister of pyceta (47 g, 1-6 moles, percelormolelenges (18 g), and 20 moles (1.6 min) was allered at come togethering (fee) above a memory to all reported at the percelormolecular (1.6 minister) and percelormolecular (1.6 minister

hydrogenthylyprinia minkare $(2,3,\gamma,3,0,\gamma,n+10,\gamma)$ at one imagentars he give note 19732-35, 97(13-34), or 97(13-34) as requestionly. These cosins were most as 1976 for 3 hours and 1976 for 3 hours, the cost of costs were tested secondary to the testing procedures described in Appendix 1. The last constitution was tasked as 1976.

Course 1

A. C. Participants

in 922 a fact him reduction our Dead Acting to converse of the Industrial previousless or plantations by passing amounts 5000 selling pitchelle subpricts in on term versal is the Superported works of Posics SCOCIA System Cares this compansion was above to be Liven IIII philadicpoints [10,000](61). She would philadicpoints may propose early 1894-s, analogy by Ar-Liverted [INDUSIEST, MOCEENT, 10,000](83). MOCEONET.

ports parties of the spectrum. Scienced late of tree of the tree of the spectrum of the spectr

years. Alkalingustic versions a milital constants institly that have not known for the constant continue of 200°C or type. The known companies are institute in common cognition occurs, version. Offices sold we distallize. Nationally in the hoppers profile in the common cognition occurs, version in the common cognition of the common comm

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All philadequate compounds contain as littalection

F2888-3-1

Officials, which wasness that of Section 50; Colicio 1515. But was we described for the magnitude of the Section 1515. Section 1

Desergeration of philologenias attendance in the pelgments beekhoos can increase the heat translant property. the setifienmebility, and the reststance to animals: obscoption (9500901477).

Several types of phihalocymeins polymers have been reported in the literature. They are:

 deemd phthologyanise pelparts which can have either linear or a tex-dimensional attraction (#51901177, #539901569, #5001109, #802110, #8021109, #604801,

 atpress polymers and copolymers booded with phthelocycolou compands (blurmass), Jurgmass

pencipi.

1 the-finencinal polymers is which the helphonolog
phthalogenine class are linked either with or without
a bridge scheliusen [85,090647, 85,00081].

SIMPOINGS, ASSESSED, ASSESSED, SECURITIES, TRAVERSED, SEARCHTY. 6) one-dimensional palpases in which the phyladerywales

Tings are commerced important through the nested an Limbayer [81208171, 8210717, 6210338, 6848798, 63101005, 82003836, 81888385, 818018779, 818697111

e) pelgeers obtained from polymerization of vieyo-

Phinderpoins polymers have high thermal and absencedative properties. It has been expected that some of them are calculated as $500^{\circ}\mathrm{C}$ and have an exhaust-pho-

decomposition up to 1100°C [83289(207)]

More to way popular that opposite the constitution of the constitu

Although unswelling possible review form former year confidence throat mixture. It is described to finishe the process of the confidence throat mixture, it is the confidence to the confidence of the confidence

Amegeer there is still so phthelocypeiss-modified cossis

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5.9 Phonelly Brains from C-Niloughthelogitri)

We also gloup of collegiphenomical has been express to be easy concline count attempts and as almost of RESCORDIT. The record it is provide a subscitic the size group of relicophaneous control of the size group of relicophaneous control of A_1 (A_2) (A_3) (A_3) (A_4) (A_3) (A_4)

Company & Anternational Date and proceed execution to the greatest execution in Johann 5. First to accompany the properties of the production of the product

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when the control of t



Cotl₂ or cotl₂ Exhibition plysol, as asserted

The EE Species of (SA) whered the beforey absorpts on SE LHER and $1210 \cdot m^{-2}$, and the two circle velocities villates and $1216 \cdot m^{-2}$. Exce and the says of a value group in the molecule. Their wais nighten Linux on the $^{-1}$ ² species.

The distinguisheddist of CCC was required by sheeting assuming part of a contential colorion of the personnel (SQL) in the presence of vertice webscute (there is 31). The in spectrum sheet that the photo-initial raway was convected boom of a distinguished assumed before the convected boom of a distinguished assumed before the variety of a size of the convected boom of a distinguished assumed by the distinguished assumed by the colorion of the convected boom of the colorion of the colorion

7.30(a,130. 6,2505,120 and 5,85(a,72) yet. Vac ¹³0 spectrum displayed peaks at [COC5₂] 4 565.89, 155.35, 155.20, 133.75, 147.45, 147.56, (40.30, 155.55, [18.86, 237.86]), 137.57, 147.45, 147.57, [18.86, 137.37], 137.57, [18.87, 137.87], [18.87, 137.87], 137.57, [18.8

The bitampts to syminary merries the distinctionalize USCI lates the environmenting photologistic componently retinency (SCI in 2-distribulant contact) failed (Distribu-

SCALE 2.7

Aminosing the companied (SA) on relations signal selections in the primare art interest modify at Odd, and not give the necessary physiological companied (Chaine 5-1) Remove, the Side conjection forbidopsiss (S) was also as a selection of the primary special companied (SA) and the selection of the selection of

Specifican van obtained and in dispirated peaks at 4 5,35, 6,5-7-4, and 1,98 pps. The LR obscriptions of 1541 were at 1100-3500, 1644, 1649, 1550, 1500, 1662, 1230, 1212, 1612, 527 and 100 cm⁻². The chelicitaristic DV absorptions were at CELARGOS 201, 122, and 600 nm.

The seein CaPoSPA-16 was proposed by besting a mixture of the phonel, ASSE and John of the phonelogists (50) is the presence of many of 50°C KT / house. The according the creation of the seein size where is Table 5 i and one not very the proposed of the seein size where is Table 5 i and one not very the contract of the seein size where is Table 5 i and one not very the contract of the seein size where is Table 5 i and one not very the contract of the seein size of the seein s

Nobile 5-1- the Screening test facults of Reals Coromon-2

THE PERSON	CHICORES-11	80 112
5 RE 20414	86.4	78.0
Resident SSP	68.6	63.4
Water Souking Test	59.1	45.4
h of metwertion	66.2	79.1
Toophaese	5	5
t of Mr. Loss	27.6	16.2
Adhestve	5	5
Metting Twet	2	2

The diphyblicalistic (B) was connected by the action and GOG in being ethnol 1979 a green noise (31% bits) and GOG in being ghttlocynnin polymer with the Alfordian (SF) as about in Johns 5.5. The DA and FV deparks were membrated with this extractory. The

absorptions were at 1630, 1962, 1264, 1224, 2231 and 832 om 12 . The obscaptocistic DF absorptions were at (28F) 234, 334, 433, 442, 472 and 499 on.

SD41 1 5

Annihar agreemb for the published to the published and the Annihar Ann

The philadespanies (55) was converted into a philadespanies (65) by heating the accounting self-of Midphoid avoids 130 to 2000b. The 12 spectrum of the contents of the feature of the state of the state part of the state of the state part of the state part

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The effective of this opposed to to list a prior a swinty to a ghibelevyories compound thorough the court is of the mains group of 4-anisophibalisality is with the additional. we wild on an aid derivative. A phonol composed was in consected easily to a pubbelogictic time if it has one of the consecutive devections! gauge. Then the smally found phonol consecutive time and the epideloctomectard later a phthologonate composed with the four phonol groups account

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ECHENT 5.2

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5.3.5

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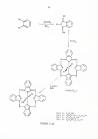
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(50) and (50). The season for the difference on yield was

we $^{10}\rm{C}_{10}^{-1}$ for all 12 spaces of the probability of the constitution of the accordance, the 2 position above the reason at Equation 1.16(10), 10.11, 10.17, 10.11,

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9 of melid	24.4	11.0	24.9
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t of We. Less	14.1	3318	14.8
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Dakis 5.5 The Economics Trat Bounts of Philosophilebetriouslings (Discole-Modified Physicis Boulet

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SCHOOL 2-5

It were expected than the phreod maintime of (50) employers that demanded point is a satisfall solvent to give the hydrospathyl decivative which then Cooleaned with the obligators in the phaseles event propagate. Assures the Los

colditity of (50) is organic solvents made not only the study of (50) by 39% difficult but also the application of (50) on a medifier implanticable:

Cunclesian -

One of the early problem of unitsy philosophysics compounds in empolyments with phenol-learning-independence was the low emphilities of the philosophysics compound in equation and representation of the learning-independence of the learning-independ

cupper 4.32.38.30-phthologyalasticasalized chirals give cette with experiency glidday patticement. The researced he he restrict between the waitiney chirals and the hydroxy groups at the phenodic prophysic was faults and also the phthologyalastic composed impacted good through statistics of the pattern of the pattern

5.7 Experimental

The DDC class were can on a restanctions DDC-1 equipped With a computer and a modificate whilm This The planning residen were decisioned in attaining steal, high personnal computer (Mexico-Class) an order to prevent valentification of water during the size. All time were made unlay a 10^{4} per minute temperature complete to 10^{4} C to 100^{4} C.

C-Mitrophabaliside, m.p. 188°C (Lik- m.p. 188°C) [43002589] med K-mitrophibalaside, m.p. 300°C (Lit m.p. 180-302°C) [15400088] wave proposed scorolley to his [iteration mediade.

5.7.1 Preparation of 4-Sitoghybolomitrije

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5.3.2 fregulation of 6-majorgathalouterile

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5.7 4 Propriation of 6:16:12:(6:Nydrosphongl)propri)

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181 96, 185.18. 181.90, 152.77, 147.46, 147.18, 149.29 136.56, 136.88, 138.90, 137.37, 138.86, 131.72, 139.28, 134.69, 132.32, 42.45, 33.32.

5.7.5 Properation of Copper | 111 | 4.11 | 19.75 Petrovial 4 | 12-12 Principles of Principles of Principles of Principles | 1751 |

A mixture of Code () sp. parameter; subprinter code; [1 12]
A mixture of Code () sp. parameter; subprinter code; [1 12]
S mixture of Code () sp. parameter; subprinter code; present of self-time of the code () specified () sp. parameter; code () sp. par

5.7.4 Property on of Spinisses 4, 11, 10, 21 Percentage Co. 11-11Spinisses of Spinisses (Spinisses Co. 11-11Spinisses of Spinisses (Spinisses Co. 11-11Spinisses of Spinisses (Spinisses Co. 11-11Spinisses (Spinisses Co. 11-11Spinisses (Spinisses Co. 11-11Spinisses (Spinisses Co. 11-11Spinisses (Spinisses Co. 11Spinisses (Spinisses Co. 11Spinisse

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5.7.7 topposition of help hydrogen 4-(2-14-phonous) propyl-

medic) and corp (2.28 m, 0.005 nois) in educat (3) m): too teffement for 24 boars. The distribute around said and

5.1.6 (https://dlink.link.25.Petrositrophthelocypeiss (%)

A sixtee of Collegorationically $(1,46, \gamma, 0.33, mix)$, and $(3,46, \gamma, 0.33, mix)$, and $(3,46, \gamma, 0.33, mix)$, and $(3,46, \gamma, 0.33, mix)$, are College on without (1,10, 3.4) (or (1.10, mix)). The proof proof (1.10, mix) and (1.10, mix)

1 7.9 6-18-14-Mydcomytemagilamins/phthelmologije (5:

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methanistic solution on EX (4 mile), polytrogenous longue
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MICHAEL New Seminorio, delle SIGN 1923, part exquestati Me sende product van Complectation from homeron. New Print New State 1923. Sept. 1979; ¹³²C 1921 (p. 1924) + 116.14, 9143 New State, S. S., 1979; ¹³²C 1921 (p. 1924) + 116.14, 9143, p. 1043, p. 1043, p. 1044, p. 1042, p. 1073, p. 1074, 1043, p. 1043, p. 1043, p. 1043, p. 1043, p. 1043, 9143, p. 1043, p. 1043, p. 1044, p. 1044, p. 1043, 9144, p. 1043, p. 1044, p. 1044, p. 1044, p. 1044, 9144, p. 1044, p. 1044, p. 1044, p. 1044, 9144, p. 1044, p. 1044, p. 1044, p. 1044, 9144, p. 1044, 9144

5.7.If Emperation of L.3-Bitminsterlanding

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STREET, and we shall (see § 1.8) of the substantial field of the supervision field 2.2 began with combined medical state and substantial field of the substantial fi

5.7.11 Expension of Sichimorphobalogyminologycon Sm s (lank explored vict a mater confineral a

exchanged with the state of 1,0-0,000 to 100 to 100

one growths (13 as) was recent closely to cution 12170. It was nationaled at 155 interpretation for 30 minutes and then emoint to 147°C and filtered, then pupils crystalline probets, store lesing would with grabilities, becomes restaud, and nations and first a 1750, waiged 25 g (1550, waiged 25 g

5.7.15 Properation of Bias & Spik supplements (pt the Languages)

The self-ration of polymerature (17) is call notice to the self-ratio of the self-ra

2.1106.480; IR (ec)mi) 1808-2000; 1618, 1518, L406, 1618; L304, 1885, 1885, 1889, 1875, 1821, 1881, 1885, 531, 864, 188, ame 781 cm⁻¹; OF (obbasol) 189, 283, 680, 685, 674 no. No. 348°C.

Communication (187)
The procedure was: the same an about for (197) sample bingmonth A (4.06 g, 0.02 molecules was seen; 1540 d 12.35; in bingmonth A (4.06 g, 0.02 molecules was seen; 1540 d 12.35; in bingmonth A (4.06 g, 0.02 molecules was seen; 1540 d 12.35; in 182, 1322, 1344, 1311, 1377, 1484, and 133 cm² q 00 (4.06 molecules 4.06 g, 3.05; d 137, d 137, d 137, molecules 4.07 g, 137, d 137, d

5:7:14 Properation of Airli-14-Decomposary Interest

The pleasefure was the last as that for (52) except 4/4-bidphend (4),F2 g, 0/32 wilst use such a Link 49,55; of omegal link-2009, 2008, 3309, 1012, 2016, 1029, 1039, 1019, 10

8.7 IS Preparation of Minid-((by/resymboutsaldomy)) (Makey | Perker by | 100 | 100 | 100 |

4,4"-makingthiphona is \$ p. 0.02 moles was used. Yield

14.09 (8 (my)01) 1100-1000, 1422, 1425, 1432, 1432, 1334, 1335, 1

5 7 26 Propagation of Copper [111] 5-15-26-20-philosopecomlatings [179] (0000158 (16))

(ASSESSED REAL PROPERTY OF the Salington TO dry this of Mars. 0.00 males on the street court countries. Black fitted with a Characterist, a rendence, a francisc formely, and a secondly has were added discourse with chistandfunds send (50 p. 30 al). After the evaluation of 500 cased, the mixture was attitud at your temperature for I have and elevely beated up to 100°C in 1 he and for a further 6 hours as Les"C. After couldes to rive benterature, things chipcids in 54 c. 5.272 cole; was added a facilities 2 february at 10000. The conduct has contained by sale. The bias procliptiate was sealed with ten water until CREAT OF COMPLETE, 626, 675; min. 110070

\$17.37 \$552656400.05.50 depos that such an artistics

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6-2 Introduction

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On the that had, phendin review on he modified by pays gains, represented of control crois here large year temphane [22,022,2015], and instar Elementarian 15,022,21841; They are not be membered not represent 15,022,21841; They are not be membered not represent Elementarian (Control to control to the Control to the Proper phendic crois the notice votationing purposes such as infortion [20,021], the minute resistance, here inclinates, and denotes.

Pristoryments and polysrithmse populyments have been used to modify phenicis resist to: the restriction polysroopamatas with phenol conquents, instruct an polyphenplarethment, involve the modicaphilic attents of the channels before remove the contemplatic attents of the inocymhole divers feligeed by 1.3-shidts of the H atoms (Scheme 6.1).



SCHERE 6-1

This type of medification has here used to prepare insize with improved tamphese and light resistance (assurements), enof Class resistance without the minister of Class retorinate (National), and also improved mechanica and distancing properties (National)

Rewret these modified events are less thermally wishes then the ammeditied phenolic trains miner the introducgroups tand to dissociate at high temperatures (1901)2011;

Both senser and prothers-modified should read have better tembers and other curries presentles such as chemical recomment. Gree resistance, and mechanical Neph. The beephoose of the coninc has been commutered as a major factor to the grinding professions of the phenolic resis contac stunning spaters. Therefore both types of medification here been investigated.

In this section we try to introduce a figurate property the phenelic resis structure to give a block concluser expected that by incorporation a figuralic solumns into the buth polycogrouplementon and polychylene piposi are widely used in the Introductions of adhesizes, hence we

A fleeible prigner can be boaded to a whenelin route through an agency ecoup. The steam ride may be introduced into either the shanelly attended on the district entranstructure. When a polymappropylaneaster (Jeffesies) is week, the egony city is just late the phonelic region

etrotters by using epicklorobyltra. In the other case polyathylene placed in capped with agency occupa-

4.2.2 Splitterster, with Jeffeston

Definate in the trade meet of a notice of pripagatesphinaschem sentanted by Tranco Chemical Company exployographical are used as a poor, cosing spects and as notifies of specialty overthan electronic trades. As special variety speaks, the series of empire preferred coupl, slear, [Freible, Special resistant variety.]

The exhelicitation of the Distoils Systemy group with opticitizations is a good may to improve the theoretication assaults of the photoils reales. The cores—listing counts through the Con-opening execution of the appropriate control of t

Expanding photologic locals was requested by Destition with the second polarity. The effect is below the form of the local state of the local sta

the colin EPC was exceed only the fact levalin are little in Yeals 6-1. The result was very peak in toughness with effect than that of colin Me 121. It sinc had a busine of very less theore (i was a little but harden than no 12. The affection property of cours EPC was similar to than a

reain 89 752. According to its overall test results, the

Table 6-1 Bbs Etymical Stat Booults of Scatne Erc. Jor-CPC.

Seet Seals	ERC.	287-870	88 111
h of Selif	\$3.5	12.2	19.3
mecdmene (DMF)	55.1	10.0	14.2
Toophness	1	3	2
h of Mr. Lowe	18.9	11.4	16.0
Adhesive	5	5	

Judfamine (0-2700), a linear polyangeopylementes atta moderator valphs of 17000, was lateralment lefe the phossian make by species the quory rise of cools NPC by its continutraciant primary make groups in give a block copolyment, designated cools ERC-DET (Enhann E.D):

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Jettenine -- coon, ca, so, exce, ca, pa

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1990) was addring at come temperature for 1 day. The 1 Speakess of the constitute product above that the desirOpposed when desirable the spectrum about that the property (iii of 1100 MeV). The first and 1.0 MeV, 1.0

The test compile of the coals JET-ETC are limited in Table 5.11. The smaller showed that revis JET-ETC was more than the back that and as tough as revis ab 742 discover is was been easily (800 - 20.0) for counted showing. The he upod efficacion for coated absolute systems. The adhesits species of the adhesits appearance that adhesits

2 5 Medification with Potethylane Gives

Disputable gives had a few remaining wound has been exceeded as the control of th

physic with appointrodydrin, followed by reaction with a

dence poplethylene pipeds with milecular weight of 600 and 1500 (1700-500) and (750-1500) was idented with s-mail in TW coder altrages to give the policy dilutions acts respectively. The ¹³C lines of the pair policy dilution sales with a fit polyhylene tipeds were at \$40.00 and \$5.

The Gillians with own lower with some constraints of the constraints o

Note Residence or residence was the united as year temperature of the years having the law event year, at pleasing sensing preparation from precision and an all and pleasing sensing preparation from precision and the sension of the sension and the sension of the sension of the sension of the the state of them to sension of the sension of these tenterations to eliminate the internal ways proper sension to eliminate the internal ways proper sension and the sension of the sension of the found in the bank condition. Sension of the found in the found in contemphilic entents of the phononials (see on the spony times seen the blook couplingers NO-00-00-00-00-00-0, reals). When the Rev-ULL and TAM-00-00-00-00-1 timbes at q aspects were rather complicated, but is was found that the spany close were opened where their was as $\frac{1}{2}$ [lies and recreaseding to an array symmetry in between 0 and 0 are supplying in between 0 and 0 are supplying in between 0 and 0 are

The states were excel off the involtes was blood to boils for bropher with the franches of \$2.77, assists redefine for the first results of the franches of which first, however, then thereconducted stateds. All researhand speak or better toughteen that can be \$1.5 miles from the first of better toughteen than can be \$1.5 miles for conden were selected one can be \$1.5 miles for the can can be seen as the condens \$1.5 miles for the can be seen as the can be seen as the can be seen as the can were sequent aims polyreptices (figuit your rests were seen sequent aims polyreptices (figuit your rests were seen sequent aims of them has in-claumed them phospiles.

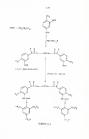
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8 3 Peralic Sesion From Politications with Priparathers Francisco

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PER-60-TEL of 4 LHS.31, 124.81, 122.92, and 322.10 pps disappeared. The contouris lines overlapped with the $^{13}\mathrm{C}$ lines of the parcol customs, which objects to the paraolic hydray grays, in between 550 and 550 year.

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Woter Booking	12-1		66.4
1 of Brinkles	86.2		52.2
Twotones	6		5
1 of Mr. Sees	5-9	33.4	13.4
Adventore	5		5
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6.4 Constantion

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4.5.1 Properation of Chymidyl Phononic Sects Bro

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196.66, 127.79, 126.58, 126.78, 126.78, 126.57, 126.86, 131.67, 126.28, 136.68, 351.60, 351.67, 126.27, 127.18, 126.28

6.5.3 Presention of Grandel Principless Signals

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* 5 * Proposition at Complete Principles Significant Line

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4.5.5 Properation of Disacquests Propriate: PER-495-T

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129.18, 115.83, 68.77, 58.74, 69.94, 13.20; 18 (Seet) 1200, 2860, 2860, 1720, 1615.

6.5.6 Properties of Discoverable Property and Property of Public Section Fac and Property and Property and Property of Property and Property of Proper

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APPRIOR I

1. Percent of Sold

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alconomic alide and varied in 10^{10} for 2 hours and 100°C for 10 hours. The hardness of the Carol coals in messaged by a fastern hierosterious Seater at toom temperature. The Anothers of the Institute of the Land of the Anothers of the Institute of the Land of the Another (1981).

3. Mater Souking Dess

for 14 hours at cost temperature. The costs is taken and from the water and the hardness of the cound drain as messaged.

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2. Indexes.
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7 Adhesles :

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S. Warns

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